

Finance (FINN)

Courses

FINN 1003. Your Money and Credit. 3 Hours.

Introduction to personal finance. Topics include building wealth, do's and don'ts of credit, car and home ownership. Lectures on theory and concepts; 'learning from the masters' video on best practices; financial simulations and case exercises. (Typically offered: Fall, Spring and Summer)

FINN 2043. Principles of Finance. 3 Hours.

Introduction to the financial system and financial management. Addresses the role and functions of financial intermediaries and markets for fixed income and equity securities; understand how interest rates are determined and assets valued; learn how firms effectively manage financial resources and create value through investment and financing decisions. Prerequisite: BUSI 1033, ACCT 2013 and (ECON 2013 or ECON 2023), all with a grade of C or better. (Typically offered: Spring)

FINN 2043H. Honors Principles of Finance. 3 Hours.

Introduction to the financial system and financial management. Addresses the role and functions of financial intermediaries and markets for fixed income and equity securities; understand how interest rates are determined and assets valued; learn how firms effectively manage financial resources and create value through investment and financing decisions. Prerequisite: BUSI 1033, ACCT 2013 and (ECON 2013 or ECON 2023), all with a grade of C or better and honors standing. (Typically offered: Spring)

This course is equivalent to FINN 2043.

FINN 3003. Personal Financial Management. 3 Hours.

Topics covered include budgeting, financial planning, managing credit, taxes, insurance, investments, and retirement planning. (Typically offered: Fall and Spring)

FINN 3013. Financial Analysis. 3 Hours.

Focuses on how information contained in financial statements can be used in financial decision-making; in particular, to assess financial performance, evaluate credit and default risk, forecast future funds needs, weigh the risk-reward of debt vs. equity financing, and develop estimates of intrinsic value using relative valuation metrics and discounted cash flow methods. Prerequisite: FINN 2043 or FINN 3043. (Typically offered: Fall, Spring and Summer)

FINN 3053. Financial Markets and Institutions. 3 Hours.

Role and operations of financial markets and institutions in the economy. Supply of, demand for, funds, interest rates and flow of funds analysis. Financial policies, practices of bank and nonbank financial institutions. Prerequisite: (ECON 2013 and ECON 2023) or ECON 2143. (Typically offered: Fall, Spring and Summer)

FINN 3063. Investments. 3 Hours.

Introduction to basic investment concepts including: risk-return and mean-variance efficient frontiers, diversification and the pricing of risk, security valuation. Corequisite: FINN 3013. Prerequisite: FINN 2043 or FINN 3043. (Typically offered: Fall, Spring and Summer)

FINN 3103. Financial Modeling. 3 Hours.

Develop strong computer skills in financial analysis by integrating conceptual material with spreadsheet-based numerical solution and simulation techniques. Prerequisite: FINN 2043 or FINN 3043. (Typically offered: Fall, Spring and Summer)

FINN 3133. Commercial Banking. 3 Hours.

Commercial bank administration, management; loans; bond portfolios; credit analysis; public relations; analysis and interpretations of Federal Reserve regulations and publications. Prerequisite: FINN 2043 or FINN 3043. (Typically offered: Fall and Spring)

FINN 3163. Fixed Income Securities I. 3 Hours.

The markets and institutional settings of fixed income securities; valuation and risk analysis of money market and capital market instruments; strategies and management of bond portfolios; taxable and tax-exempt securities; U.S. and non-U.S. fixed income securities; term structure of interest rate; and interest rate derivatives as hedging tools. Corequisite: FINN 3103 and FINN 3063. Prerequisite: Departmental consent. (Typically offered: Fall)

FINN 3173. Fixed Income Securities II. 3 Hours.

Continuation of FINN 3163. The markets and institutional settings of fixed income securities; valuation, and risk analysis of money market and capital market instruments; strategies and management of bond portfolios; taxable and tax-exempt securities; U.S. and non-U.S. fixed income securities; term structure of interest rate; and interest rate derivatives as hedging tools. Prerequisite: FINN 3163. (Typically offered: Spring)

FINN 330V. Finance Study Abroad. 1-3 Hour.

Providing a balance of theory and practical application, this course provides students with study abroad experiences in finance addressing strategic and operational processes within the global context by understanding international financial systems, culture, geography, history, and politics of other countries. Prerequisite: Departmental consent, completion of 30 hours, ENGL 1013, (MATH 2053 or MATH 2554), ECON 2013, ECON 2023, ISYS 1123, BUSI 1111 and ACCT 2013. (Typically offered: Summer)

FINN 330VH. Honors Finance Study Abroad. 1-3 Hour.

Providing a balance of theory and practical application, this course provides students with study abroad experiences in finance addressing strategic and operational processes within the global context by understanding international financial systems, culture, geography, history, and politics of other countries. Prerequisite: Departmental consent, completion of 30 hours, ENGL 1013, (MATH 2053 or MATH 2554), ECON 2013, ECON 2023, ISYS 1123, BUSI 1111, ACCT 2013 and honors standing. (Typically offered: Summer)

This course is equivalent to FINN 330V.

FINN 3603. Corporate Finance. 3 Hours.

Develop analytical competencies in financial planning, cost of capital estimation, application of discounted cash flow approach to valuation and capital allocation, lease analysis, evaluation of merger and organizational restructuring strategies. Prerequisite: (FINN 2043 or FINN 3043) and FINN 3013. (Typically offered: Fall, Spring and Summer)

FINN 3623. Risk Management. 3 Hours.

A survey of the extent and types of risk in business; ways of dealing with business risk; use of security and commodity exchanges; survey of insurance for risk bearing purposes. (Typically offered: Fall and Spring)

FINN 3703. International Finance. 3 Hours.

Introduction to international financial markets, exchange rates and exchange rate determination, balance of trade measures, and vehicles for foreign trade financing. (Typically offered: Fall, Spring and Summer)

FINN 3933. Real Estate Principles. 3 Hours.

Comprehensive, covering economics of real estate, real estate value, real estate finance, rights in real property and their transfer, public programs, policies relating to real property. (Typically offered: Fall and Spring)

FINN 4003H. Honors Finance Colloquium. 3 Hours.

Explores important concepts, significant events and/or new developments in the field of Finance. Prerequisite: Senior standing. (Typically offered: Fall)

FINN 4013. Seminar in Personal Financial Planning. 3 Hours.

Explores financial planning function, including contact, data acquisition, plan development and implementation; covers all areas of personal financial planning including investments, insurance, taxes, and estate planning; addresses planning techniques and financial planning ethical issues; emphasis on case studies. Pre- or Corequisite: FINN 4733. Prerequisite: FINN 3003, FINN 3063, FINN 3623, and ACCT 3843. (Typically offered: Spring)

FINN 410V. Special Topics in Finance. 1-6 Hour.

Explore current events, new developments and special topics in Finance not covered in other courses. Prerequisite: FINN 2043. (Typically offered: Irregular) May be repeated for up to 6 hours of degree credit.

FINN 4123. Valuing New Ventures. 3 Hours.

Valuation methods of entrepreneurial, early-stage, and R&D finance, including term sheets, valuing full and partial stakes, preferred and participating convertible preferred stock, options, later-round investments, complex structures, R&D finance, monte carl simulation, real options, binomial trees, and game theory. Prerequisite: Junior Standing. (Typically offered: Fall, Spring and Summer)

FINN 4133. Advanced Investments. 3 Hours.

Sound training in the principles of security analysis and portfolio management and certain advanced techniques of financial management. Modern portfolio theory and its application to portfolio management practices will be emphasized. Prerequisite: FINN 3063. (Typically offered: Fall and Spring)

FINN 4143. Portfolio Management I. 3 Hours.

This course applies modern investment theory to the practical management of the Rebsament Trust. Students prepare a statement of investment objectives, recommend an asset allocation strategy based on a quantitative analysis of asset class returns, and select securities using fundamental analysis. Classes are organized as management meetings and visits to investment firms are an important part of the class. Application, interview and instructor approval are required. Corequisite: FINN 3063 and ACCT 3723. Prerequisite: Departmental consent. (Typically offered: Fall)

FINN 4153. Portfolio Management II. 3 Hours.

This course is a continuation of FINN 4143. Topics covered include technical analysis, dynamic asset allocation and derivative strategies. Visits to major investments firms and organized exchanges in New York City or other locations are generally planned. Selection is by invitation. Prerequisite: FINN 4143 and by invitation only. (Typically offered: Spring)

FINN 4163. Advanced Financial Modeling. 3 Hours.

The course applies Business Intelligence (BI), Cloud, Artificial Intelligent (AI) tools to business data for financial analysis and modeling. Data handling and modeling make use of the latest BI platforms such as Microsoft Power BI and Tableau. Prerequisite: FINN 3013 or FINN 3103. (Typically offered: Fall, Spring and Summer)

FINN 4173. Energy Finance. 3 Hours.

This course is as a comprehensive introduction to the field of Energy Finance, i.e., the application of Finance principles to energy, energy-service, and related industries. Topics covered include: (1) physical fossil fuel markets; (2) physical electricity markets; (3) financially traded energy products; and (4) credit, counterparty, and country risk. Pre- or Corequisite: ACCT 3723. Prerequisite: FINN 3013 and (FINN 2043 or FINN 3043). (Typically offered: Fall and Spring)

FINN 4233. Advanced Corporate Finance. 3 Hours.

Addresses complex and multifaceted issues and problems in financial decision-making. Prerequisite: FINN 3603. (Typically offered: Irregular)

FINN 4243. New Venture Finance. 3 Hours.

Explores early-stage funding sources and the startup ecosystem, due diligence when seeking funding, and the issues that arise about governance and control when seeking funding, including a deep dive into term sheets and capitalization tables. Prerequisite: Junior Standing. (Typically offered: Fall, Spring and Summer)

FINN 4313. Advanced Commercial Banking. 3 Hours.

Problems and cases emphasizing application of analytical tools and techniques in commercial bank risk measurement and management. Evaluation of small business credit risk; analysis of liquidity, capital, and interest rate risk; stress testing; hedging risk with derivatives. Prerequisite: FINN 3133. (Typically offered: Spring)

FINN 4323. Financial Data Analytics I. 3 Hours.

This course provides students with a broad understanding of: the general principles and techniques of advanced programming languages; familiarity with its applications to financial data warehousing and extraction; competency and proficiency in its use in processing, analyzing, and visualization of data; and the development, implementation, and evaluation of algorithmic strategies. Prerequisite: FINN 3013 or FINN 3103. (Typically offered: Fall, Spring and Summer)

FINN 4333. Financial Data Analytics II. 3 Hours.

This course provides an in-depth study of financial data analysis and emphasizes popular financial models and trading strategies. We will particularly emphasize the use of quantitative methods and data-driven approaches in backtesting and analyzing the risk/return tradeoff of financial models and trading strategies. Prerequisite: FINN 4323. (Typically offered: Fall, Spring and Summer)

FINN 4413. Real Estate Appraisal. 3 Hours.

Valuation theories applied to real estate. Characteristics which affect value are studied and valuation methodologies are learned and performed by the students. Focus is on residential real estate but all types of real estate are addressed. Students prepare in actual residential appraisal report. Prerequisite: FINN 3933. (Typically offered: Fall)

FINN 4433. Real Estate Finance and Investment. 3 Hours.

Consideration of professional aspects of the real estate field. Emphasis is placed upon finance techniques and investment analysis. The focus is on commercial real estate. Brokerage, property management, appraisal, property development and current problems are also addressed. Students prepare a feasibility study on a commercial development project. Corequisite: FINN 3103. Prerequisite: FINN 3933. (Typically offered: Spring)

FINN 450V. Independent Study. 1-3 Hour.

Permits students on an individual basis to explore selected topics in finance, with the consent of instructor. (Typically offered: Irregular)

FINN 4733. Life and Health Insurance I. 3 Hours.

Basic principles, functions, uses of life and health insurance; types of policy contracts; calculation of premiums, reserves; organizations, management, supervision, of companies. (Typically offered: Fall)

FINN 4833. Property and Casualty Insurance I. 3 Hours.

Forms and functions of fire, marine, inland marine, automobile title, miscellaneous types insurance and bonds for business, personal use. (Typically offered: Spring)

FINN 510V. Special Topics in Finance. 1-3 Hour.

Explore current events, concepts and new developments relevant to practitioners of Finance not available in other courses. Topics vary depending on the instructor. Prerequisite: Graduate standing. (Typically offered: Fall and Spring)

FINN 5113. Corporate Financial Management. 3 Hours.

Financial analysis, planning and control; decision making and modeling for financial managers; and financial policies for management. (Typically offered: Spring)

FINN 5123. Valuing New Ventures. 3 Hours.

This course is for students who wish to begin careers in valuing new ventures with VCs and Angel funds, for investors interested in new ventures as an asset class, for members of startup teams who focus on acquiring and managing capital, and for R&D and innovation teams within existing large firms. The course will also add valuable techniques to those performing private equity valuations of growing firms or firms facing large strategic options, even if those firms are not technically startups. (Typically offered: Fall and Spring)

FINN 5133. Advanced Investments. 3 Hours.

Sound training in the principles of security analysis and portfolio management and certain advanced techniques of financial management. Modern portfolio theory and its application to portfolio management practices will be emphasized. Graduate degree credit will not be given for both FINN 4133 and FINN 5133. Prerequisite: FINN 3063. (Typically offered: Fall and Spring)

FINN 5173. Energy Finance and Risk Management. 3 Hours.

This course provides an advanced introduction to energy finance, defined as the application of finance principles to energy, energy service, and related industries, concerning all aspects of the energy value chain. Topics include: (1) physical fossil fuel markets; (2) physical electricity markets; (3) financially traded energy products; and (4) credit, counterpart, country, and enterprise risk. It also introduces students to business valuation and investment banking applications in the energy industry vertical. Prerequisite: FINN 5113 or FINN 5223. (Typically offered: Fall)

FINN 5213. New Venture Finance. 3 Hours.

The course is a deep dive into the legal contracting and governance issues around early stage financing. This course provides students with exposure to the startup finance ecosystem. Students will learn about the forms of early stage funding and the players offering those funding sources, how to prepare for due diligence when seeking funding, and the issues that arise about governance and control when seeking funding. (Typically offered: Irregular)

FINN 5223. Financial Markets & Valuation. 3 Hours.

Analysis of financial information by capital markets in the determination of security values with specific applications to retail and logistics companies. This course views these and other companies from the point of view of the capital markets. (Typically offered: Spring) May be repeated for degree credit.

FINN 5233. Advanced Corporate Finance. 3 Hours.

Addresses complex and multifaceted issues and problems in financial decision-making. Graduate degree credit will not be given for both FINN 4233 and FINN 5233. Prerequisite: FINN 3603. (Typically offered: Irregular)

FINN 5243. Digital Innovation in Financial Markets. 3 Hours.

The evolving role and operations of financial markets and institutions in an increasingly digital-oriented economy. The impact of technological innovations such as blockchain, nonbank financial technology firms, and machine learning on markets as it relates to investors, firms raising capital, and financial entrepreneurs. (Typically offered: Irregular)

FINN 5303. Advanced Corporate Financial Management. 3 Hours.

Focus on financial policy issues using real situational cases. Topics include cost of capital, capital budgeting and long-term planning, value-based management, real options, as well as project financing and valuation. Prerequisite: FINN 5223. (Typically offered: Irregular)

FINN 5313. Advanced Commercial Banking. 3 Hours.

This course focuses on advanced risk management strategies commonly implemented at regional and large commercial banks. Topics include financial statement analysis of banks and holding companies, credit analysis of global cash flow, Basel III capital requirements and stress testing, interest rate risk measurement and management, and interest rate hedging with derivatives. (Typically offered: Fall and Spring)

FINN 5323. Financial Data Analytics I. 3 Hours.

This course introduces programming for financial data analysis, data representation and visualization using a modern programming language. The objective is to provide students a broad understanding of (1) the general principles and techniques of programming, (2) familiar with financial data and manipulation, (3) financial data processing, analyzing and visualization and (4) the computational applications of in financial data. The course concludes with a project in which students apply their knowledge to implement and evaluate an algorithmic trading strategy. (Typically offered: Fall and Spring)

FINN 5333. Investment Theory and Management. 3 Hours.

Integration of theory, practice of investments with solution of individual and institutional portfolio management problems; Institute of Chartered Financial Analysts' Problems; variable annuity in estate planning. Prerequisite: FINN 5223. (Typically offered: Fall)

FINN 541V. Shollmier Investment Project. 1-3 Hour.

Provide students with the opportunity to design and apply complex investment strategies used in institutional portfolio management on the Shollmier MBA Fund that can involve fixed income and equity securities as well as derivatives. Students will use top down asset allocation models, bottom up security selection, and hedge fund strategies. Prerequisite: FINN 5223 and FINN 5333. (Typically offered: Fall and Spring) May be repeated for up to 9 hours of degree credit.

FINN 5433. Real Estate Finance and Investment. 3 Hours.

Consideration of professional aspects of the real estate field. Emphasis is placed upon finance techniques and investment analysis. The focus is on commercial real estate. Brokerage, property management, appraisal, property development and current problems are also addressed. Students prepare a feasibly study on a commercial development project. Graduate degree credit will not be given for both FINN 4433 and FINN 5433. Prerequisite: FINN 3933. (Typically offered: Spring)

FINN 5453. Advanced Financial Modeling. 3 Hours.

The course applies Business Intelligence (BI), Cloud, Artificial Intelligent (AI) tools to business data for financial analysis and modeling. Data handling and modeling make use of the latest BI platforms such as Microsoft Power BI and Tableau. (Typically offered: Fall and Spring)

FINN 550V. Independent Study. 1-3 Hour.

Permits students on an individual basis to explore selected topics in finance, with the consent of instructor. Graduate degree credit will not be given for both FINN 450V and FINN 550V. (Typically offered: Irregular)

FINN 6043. Finance Theory. 3 Hours.

Provides a conceptual understanding of key theoretical developments in the field of financial economics, including firm decisions under risk within a world of uncertainty. (Typically offered: Irregular)

FINN 6133. Seminar in Investment Theory. 3 Hours.

Study advanced literature in field investments, with special reference to theory of random walks, stock valuation models, portfolio management. (Typically offered: Spring)

FINN 6233. Seminar in Financial Management. 3 Hours.

Financial management of firm with emphasis on financial theory or firm, quantitative methods used in financial analysis, planning. (Typically offered: Irregular)

FINN 6333. Empirical Research in Finance. 3 Hours.

A study of recent empirically based research in finance. (Typically offered: Irregular)

FINN 6733. Seminar in Financial Markets and Institutions. 3 Hours.

Recent developments in the literature of financial markets and institutions. Participants will be involved in the extensive study of existing theories and empirical tests of the theories. (Typically offered: Irregular)

FINN 683V. Contemporary Issues in Doctoral Colloquium. 1-3 Hour.

To explore and evaluate contemporary research issues in finance. Course content to reflect the most recent developments in theory and empirical research methodologies. Prerequisite: Doctoral student status and instructor consent. (Typically offered: Fall, Spring and Summer) May be repeated for up to 18 hours of degree credit.

FINN 700V. Doctoral Dissertation. 1-18 Hour.

Doctoral Dissertation. Prerequisite: Candidacy. (Typically offered: Fall and Spring) May be repeated for degree credit.